

## CLIMATE CHANGE STRATEGIES IN PAKITAN

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### Abstract

Globally there is a concern on the rising concentration of Carbon Dioxide, a Greenhouse Gas which is considered responsible for the increase in the Earth's average temperature and caused Global Warming. The result effect or the impact is the "Climate Change". According to the Intergovernmental Panel on Climate Change (IPCC), the Earth's average temperature has been raised by 0.6 degree Celsius and it's further expected to exceed more by the end of the century.

Pakistan along with other developing countries, has been ranked as the most at risk country due to its vulnerability of social and biological systems because of climate change. In Pakistan, Climate Change poses a serious challenge to environmental, social and economic development of the country. The evidence of Climate Change has been already seen in Pakistan due to severe increase and growth in frequency of droughts and floods across the country, increase in erratic weather behavior, severe heat waves, changes in agricultural patters, reduction in the supply of fresh water and the loss of biodiversity. The vulnerable factor of Pakistan is also more patent due to its agro based economy. It has been seen that climate change have adversely affected our overall our quality of life in the form of reduce agricultural productivity, increase in social morbidity and stressed use of natural available resources in our country.

Our climate is already changing so we need to adopt those unavoidable changes to thrive for sustainability.

In this paper two key methods are discussed to reduce or avoid or compensate and help in combating the impacts of climate change viz: Mitigation and Adaptation. Mitigation involves such measures to reduce the Carbon Dioxide emission into the atmosphere such as the use of Renewable energy, Carbon Capturing Projects and the enhancement of Energy Efficiency, Sustainable procurement and Net Zero Emission Power Plants. While the climate will still face some challenges due to the Emissions which we have already emitted into the atmosphere and that is why we must adapt to enviable climate changes. The Adaptation involves those actions that can help our country in facing the enviable changes in the climate such as flood preparedness measures, improvement of drainage system, wetland restoration, innovative farm production practices and costal management adaptation, it will increase our vulnerability and increase our resilience by putting strong policies, climate impact and planning, practices and programs to help in mitigating and adapting the climate change in Pakistan.